

## ABSTRACT

### The Problem to Be Solved:

To provide a producing method of an optically active  
5  $\beta$ -amino acid useful as intermediate for the production of  
medicines, agricultural chemicals and physiologically  
active substances, by means of a catalytic and asymmetric  
synthesis method of high performance and a high  
enantiomeric excess, without requiring additional  
10 procedures such as introduction and removal of protecting  
group and so on.

### Means to Solve the Problems:

A producing method of an optically active  $\beta$ -amino  
15 acids which comprises subjecting an enamine to an  
asymmetric hydrogenation.